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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

DUONG, THOMAS

ART UNIT PAPER NUMBER

2145

DATE MAILED: 09/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/967,010

Applicant(s)

KOJIMA ET AL.

Examiner

Thomas Duong

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 12-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 12-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 February 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Request for Continued Examination***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.
2. Amendment received June 29, 2006 has been entered into record. *Claims 12-22* remain pending.

### ***Response to Amendment***

3. This office action is in response to the applicants Amendment filed on June 29, 2006. Applicant amended *claims 12-14*. *Claims 12-22* are presented for further consideration and examination.

### ***Claim Objections***

4. *Claim 21* are objected to because of the following informalities:
  - "coy destination" is misspelled (*claim 21*, line 3).Please make the appropriate correction.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 12-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lowery et al. (US005894554A) and in view of Hayashi et al. (US006101488A).

7. With regard to claims 12-15 and 22, Lowery discloses,

- *preparing user interface information including server definition information defining a plurality of servers for providing user interface information regarding multiple user interfaces to the client; (Lowery, col.2, lines 15-34; col.5, lines 39-47; col.6, lines 32-48)*

Lowery discloses, *"one embodiment of the claimed invention also provides a Web page designer with HTML extensions, or 'dyna' tags. These dyna tags provide customized HTML functionality to a Web page designer, to allow the designer to build customized HTML templates that specify the source and placement of retrieved data. For example, in one embodiment, a 'dynatext' HTML extension tag specifies a data source and a column name to allow the HTML template to identify the data source to log into and the column name from which to retrieve data. Alternatively, 'dyna-anchor' tags allow the designer to build hyperlink queries while 'dynablock' tags provide the designer with the ability to iterate through blocks of data"* (Lowery, col.6, lines 32-44). Hence, Lowery

teaches of providing extension tags to build HTML templates specifying the retrieval source, the data to be retrieved, and as well as specifying the placement of the retrieved data.

- *upon a request from the client, requesting information from each of the servers providing the user interface information; (Lowery, col.3, line 64 – col.4, line 1; col.5, lines 37-47)*

Lowery discloses, *"it processes the request and retrieves the data from an appropriate data source, such as data source 406, data source 408, or data source 410. Data sources, as used in the present application, include databases, spreadsheets, files and any other repository. Page server 404 can retrieve data from more than one data source and incorporate the data from these multiple data sources in a single Web page"* (Lowery, col.5, lines 40-47).

Hence, Lowery teaches of retrieving the requested data (i.e. common data) from multiple sources including databases, spreadsheets, files, etc. and incorporating them into a single Web page for displaying to the user.

- *assigning a copy function for copying common data from the user interface information transferred from one of the plurality of servers to others of the user interface information from other servers to thereby create an integrated user interface as a single integrated page consisting of the user interface information from the servers and the integrated user interface having copy function; and* (Lowery, col.4, lines 25-31; col.5, lines 20-47; col.6, lines 20-48)

Lowery discloses, *"it processes the request and retrieves the data from an appropriate data source, such as data source 406, data source 408, or data source 410. Data sources, as used in the present application, include*

*databases, spreadsheets, files and any other repository. Page server 404 can retrieve data from more than one data source and incorporate the data from these multiple data sources in a single Web page"* (Lowery, col.5, lines 40-47).

Hence, Lowery teaches of retrieving (i.e., Applicants' copying) the data specified from the tags of the HTML template from the multiple sources including databases, spreadsheets, files, etc. and incorporating them into a single Web page for displaying to the user.

- *transmitting the integrated user interface having the copy function to the client.*  
(Lowery, col.4, lines 25-31; col.6, lines 20-48)

Lowery discloses, "*page server 404 (2) dynamically generates a Web page / response to the Web client request, and the dynamic Web page is then either transmitted back to requesting Web client 200 or stored on a machine that is accessible to the Web server 201, for later retrieval*" (Lowery, col.6, lines 27-31).

Hence, Lowery teaches of retrieving (i.e., Applicants' copying) the data specified from the tags of the HTML template from the multiple sources including databases, spreadsheets, files, etc. and incorporating them into a single Web page and transmitting the resulting web page the requesting client.

However, Lowery does not explicitly disclose,

- *assigning a copy function for copying common data from the user interface information transferred from one of the plurality of servers to others of the user interface information from other servers to thereby create an integrated user interface as a single integrated page consisting of the user interface information from the servers and the integrated user interface having copy function; and*
- *transmitting the integrated user interface having the copy function to the client.*

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Hayashi teaches,

- *assigning a copy function for copying common data from the user interface information transferred from one of the plurality of servers to others of the user interface information from other servers to thereby create an integrated user interface as a single integrated page consisting of the user interface information from the servers and the integrated user interface having copy function; and* (Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)

Hayashi discloses, *"browsing the retrieval-program-containing document and executing the intelligent information retrieval program incorporated in the retrieval-program-containing document when the retrieval-program-containing document is acquired from the retrieval-program-containing document storage means"* (Hayashi, col.2, lines 51-56). In addition, Hayashi discloses, *"the retrieval program makes an inquiry to a database, and converts retrieved data from the database into a document written in HTML format"* (Hayashi, col.1, lines 48-51). Hence, Hayashi teaches of embedding the code for retrieving (i.e., Applicants' copying) data directly into the HTML document itself.

- *transmitting the integrated user interface having the copy function to the client.* (Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)

Hayashi discloses, *"browsing the retrieval-program-containing document and executing the intelligent information retrieval program incorporated in the retrieval-program-containing document when the retrieval-program-containing document is acquired from the retrieval-program-containing document storage means"* (Hayashi, col.2, lines 51-56). In addition, Hayashi discloses, *"the retrieval program makes an inquiry to a database, and converts retrieved data*

*from the database into a document written in HTML format"* (Hayashi, col.1, lines 48-51). Hence, Hayashi teaches of embedding the code for retrieving (i.e., Applicants' copying) data directly into the HTML document itself.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine the teachings of Hayashi with the teachings of Lowery to provide *"a system which can easily generate an information retrieval program that is capable of retrieving information on an interactive basis"* (Hayashi, col.1, line 66 – col.1, line 2). In addition, according to Hayashi, *"it is an object of the present invention to provide an intelligent information retrieval program generation system for generating an intelligent information retrieval program, which is applicable to a wide-area information network such as the Internet"* (Hayashi, col.2, lines 5-9).

8. With regard to claims 16-17, Lowery and Hayashi disclose,

- *wherein the client comprises a WWW browser, the plurality of servers comprise WWW application servers, the user interfaces provided by the respective servers comprise pages provided by the WWW application servers, and the integrated user interface composes an integrated page which integrates the pages from the servers.* (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)
- *the WWW browser, and the servers are interconnected by a local area network* (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)



9. With regard to claims 18-21, Lowery and Hayashi disclose,

- *wherein the copy data information includes an "OUT" type indicating common data of a user interface as a copy source and an "IN" type indicating common data of a user interface as a copy destination. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)*
- *wherein the copy data information further includes an "IN/OUT" type indicating common data of one user interface as a copy destination and, with respect to another user interface, the common data of said another user interface as a copy source when the common data is modified at said one user interface. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)*
- *wherein the copy data information includes an "OUT" type indicating common data of a user interface as a copy source and an "IN" type indicating common data of a user interface as a copy destination. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)*
- *wherein the copy data information further includes an "IN/OUT" type indicating a common data of one user interface as a copy destination and, with respect to another user interface, the common data of said another user interface as a copy source when the common data is modified at said one user interface. (Lowery, col.2, lines 15-34; col.3, line 64 – col.4, line 1; col.4, lines 25-31; col.5, lines 37-47; col.6, lines 20-48; Hayashi, col.2, lines 5-61; col.3, line 61 – col.5, line 44)*

**Response to Arguments**

10. Applicant's arguments with respect to *claims 12-15 and 22* have been considered but they are not persuasive.

11. With regard to *claims 12-15 and 22*, the Applicants point out that:

- *Lowery teaches accessing common data among sources other than web pages and combining such common data into an integrated web page.*
- *Lowery was cited at col. 5, lines 40-47 which clearly states "page server 404 (1) can retrieve data from more than one data source and incorporate the data from these multiple data sources in a single Web page," where "data sources ... include databases, spreadsheets, files and any other type of data repository." Lowery therefore does not teach creating an integrated web page having common data from among other web pages.*

However, the Examiner finds that the Applicants' arguments are not persuasive because web pages are '*files*'. In addition, Lowery's data sources 406-410 and page cache 414 may be considered to be '*other type of data repository*'. Hence, Lowery teaches of "[*retrieving*] data from more than one data source and incorporate the data from these multiple data sources in a single Web page" (Lowery, col.5, lines 45-47). Furthermore, the claim language clearly states, "*upon a request from the client, requesting information from each of the servers providing the user interface information*" (*claim 1*). But, this is exactly what Lowery discloses, "*it processes the request and retrieves the data from an appropriate data source, such as data source 406, data source 408, or data source 410. Data sources, as used in the present*

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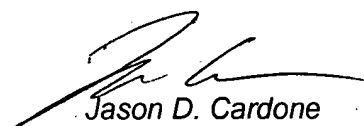
*application, include databases, spreadsheets, files and any other repository. Page server 404 can retrieve data from more than one data source and incorporate the data from these multiple data sources in a single Web page"* (Lowery, col.5, lines 40-47). Hence, the claimed language does not commensurate with the Applicants' presented argument.

### **Conclusion**

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas Duong whose telephone number is 571/272-3911. The examiner can normally be reached on M-F 7:30AM - 4:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason D. Cardone can be reached on 571/272-3933. The fax phone numbers for the organization where this application or proceeding is assigned are 571/273-8300 for regular communications and 571/273-8300 for After Final communications.

Thomas Duong (AU2145)

September 22, 2006



Jason D. Cardone

Supervisory PE (AU2145)